



COEP Technological University

(COEP Tech)

A Unitary Public University of Government of Maharashtra
(Formerly College of Engineering Pune)
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COEP-Tech/ANRF-PAIR/Recruitment/2025/

Date: 15/12/2025

Details of Principal Investigators and Co-Principal Investigators for ANRF-PAIR Programme Projects at COEP Technological University

Principal Investigator for ANRF-PAIR project IIT-B COEP-TU Hub-Spoke model: **Prof. Suhas S. Mohite**

Summary of the Project UID No. Project titles, Positions, CO-PIs with associated departments:

Project UID No.	Project Title	Name of Post (Nos.)	CO-PIs	Departments
01	Development of a Switched Reluctance Motor and Permanent Magnet Assisted Synchronous Reluctance Motor for Electric Tractor	Junior Research Fellow (02) Research Associate-I (01)	Dr. R. T. Ugale Dr. D. N. Sonawane Dr. S. S. Mohite Dr. M. R. Nandgaonkar	EE ICE ME
02	GaN based DC-DC converters for next - generation EV power electronic subsystems: Research Innovations and Educational Resources	Project Assistant (01)	Dr. Sanjaykumar Patil Dr. Uttam M. Chaskar	ICE
03	Green Hydrogen: Design and performance analysis of alkaline electrolyzer for hydrogen production - a combined experimental and theoretical study (High Current Density Electrocatalysts for Emerging Green Hydrogen Production)	Project Assistant (01) Junior Research Fellow- (01)	Dr. M. R. Nandgaonkar Dr. Vinit K. Kanade	ME MME
04	Sustainable Building: Developing an energy minimizing control of Variable Air Volume Air conditioning system for Cooling applications	Junior Research Fellow (01) Technical Assistant (01)	Dr Archana Thosar	EE
05	Advanced High Energy Electrode Materials for Indigenous Sodium ion and Sodium Sulphur Batteries and Recycling of spent Li-ion batteries for extraction of critical raw materials	Junior Research Fellow (01)	Dr. N. B. Dhokey	MME
06	Processing of advanced ceramics for structural, printed electronics and semiconductor industry applications.	Junior Research Fellow (01) Senior Research Fellow- (01)	Dr. S. P. Butee Dr. Pravin F. Varade	MME

07	High Entropy Halide Perovskites with Reduced Lead Content and High Stability for Opto-electronic applications.	Junior Research Fellow- (01) Senior Research Fellow- (01)	Dr. Manisha Kulthe Dr. Pravin Varade	MME
08	Surveillance Project (Part B): "AI-Based Intelligent Surveillance System for Classroom Vigilance and Examination Integrity Monitoring	Junior Research Fellow- (1)	Dr. P. P. Bartakke Dr. Y. Haribhakta Dr. A. Khobragade	E&TC CSE
09	Deepfake Detection using Deep Learning	National Post Doctoral Fellow (1) Field Assistant (01) Junior Research Fellow (2) Senior Research Fellow (01) Project Associate (01)	Dr. Sunil B. Mane	CSE
10	Enabling Smart Machining Through Digital Twins: A Scalable Framework for Condition Monitoring, Process Optimization, and Zero-Downtime Manufacturing.	Senior Research Fellow (01)	Dr. Suhas S. Mohite	ME
11	ANRF-PAIR project IIT-B COEP-TU Hub-Spoke model	Senior Project Manager (01)	Project Office	Common post
		Principle Project Associate (01)		
Total Number of Post		23		

Candidates must apply in the prescribed **Application form** available on COEP Technological University website "www.coeptech.ac.in" under "Carrer" tab.